

Receiving Report

Date: 11/4/25
 Supplier: Bk

Batch No: 1128873
 Dart P/O: 23913

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC18 Inspection ☐ N/A ☒
 Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12



Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO23913**

Purchase Order Date 4/24/2014

PO Print Date 4/24/2014

Page Number 1 of 3

Order From :

VU-BEA001

Ship To : DART AEROSPACE LTD

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

mds973.

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Michael Gregoire

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
	Line Comments		Promise Date				
	Delivery Comments						
1	MS24665-289	Cotter Pin	5/1/2014 Yes 5/1/2014		100.00 ✓ Each	\$0.15	\$15.00 ✓
	299.						
						Line Total:	\$15.00
2	AN3-3A	Bolt	5/1/2014 Yes 5/1/2014	FN	200.00 ✓ Each	\$0.09	\$18.00 ✓
	350						
						Line Total:	\$18.00
3	AN3C5A	Bolt	5/1/2014 Yes 5/1/2014	FN	500.00 ✓ Each	\$0.35	\$175.00 ✓
	350						

SP 14-4-25.

Note:

4/24/2014



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO23913**

Purchase Order Date 4/24/2014

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Page Number 2 of 3

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88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

VU-BEA001

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Michael Gregoire

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

Line Total: \$175.00

4	AN4C21A	BOLT	5/1/2014	15.00		\$1.05	\$15.75
	358		Yes	Each			
			5/1/2014				

Line Total: \$15.75

5	AN924-6J	NUT	5/1/2014	10.00		\$2.00	\$20.00
	326		Yes	Each			
			5/1/2014				

Line Total: \$20.00

6	HL20PB5-12	Rivet	5/1/2014	200.00		\$1.10	\$220.00
	281		Yes	Each			
			5/1/2014				

Line Total: \$220.00

Note:

4/24/2014



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1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
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Page Number 3 of 3

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VU-BEA001

B/E AEROSPACE INC
88289 EXPEDITE WAY
CHICAGO, IL 33172
USA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 305-925-2600

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Michael Gregoire

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

FCA - (Free Carrier)

7	HL20PB5-8	Rivet	5/1/2014	200.00	✓	\$1.50	\$300.00	✓
			No	Each				
			5/1/2014					

Line Total: \$300.00

8	71401-45		5/1/2014	0.00		\$0.00	\$0.00
			No				
			5/1/2014				

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT
A033 STATEMENT OF CONFORMITY/TEST RECORDS
FOR NAS, AN and MS FASTENERS
A040 NOTIFICATION OF QUALITY ESCAPE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENTS

Line Total: \$0.00

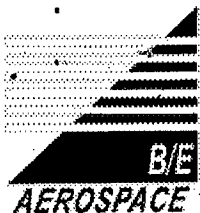
PO Total: \$763.75

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 4/24/2014

M. Gregoire



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: P023913

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
1	100	EA	MS24665-289		BB030113F	WESTERN WIRE/FENTON	65029		


Jason Lewis
Vice President of Quality

04/24/14

Inv # 04/24/14



Western Wire Products

770 Sun Park Drive
Fenton, MO 63026
636/305-1100 Fax: 636/305-1119
800-325-3770
www.westernwireprod.com
sales@westernwireprod.com


PACKING SLIP

Order #	Page #	*** REPRINT ***
417767-00	2	
PO Date	PO #	
04/16/13	ONVF50	

Cust #: 178260

Bill To: B E AEROSPACE, INC
P O BOX 025263
MIAMI, FL 331025263

Ship To: B E AEROSPACE CONSUMBLS MGMT
9835 N W 14TH STREET
MIAMI, FL 33172

Order Type: FAX		Taken By		Order # 
Instructions ADHERE 2 SHIP DATE SIGN PS		cinn		
Ship Point	Via	Request	Shipped	Terms
Western Wire Products Co	FXG COLLECT	04/23/13	04/25/13	1%15 N30

LINE	ITEM AND DESCRIPTION	BIN	ORDERED	B.O.	SHIPPED	UM	PACKED	TYPE OF CONTAINER	CONTAINER WEIGHT
1	DO NOT INSURE 105112EPCPCP / /N14/D04 75,000.00 0.00 75,000.00 EA MS24665-289 3/32 X 1-1/2 / /C05/19A STEEL COTTERS, CAD. PLTD Interchange Prod: MS24665-289 .0002 YELLOW CHROMATE EXTENDED PRONG CHISEL POINT Lot #: BB030113F Qty: 60,822.00 Lot #: BB081712A Qty: 14,178.00 Q416146TE03222013LN11 REL NO K2N10NVF50 CTNS 1-6 40# EA 12,000 PCS EA CTN 7 10# 3000 PCS CC 4-25-13								
2	98P&C ZZ/ZZ/ZZ/ZZZ 1.00 0.00 1.00 EA PHYSICAL & CHEMICAL CERT								
3	98COFC ZZ/ZZ/ZZ/ZZZ 1.00 0.00 1.00 EA CERTIFICATION OF COMPLIANCE								
4	98COFC ZZ/ZZ/ZZ/ZZZ 1.00 1.00 0.00 EA CERTIFICATION OF COMPLIANCE								
5	98P&C ZZ/ZZ/ZZ/ZZZ 1.00 1.00 0.00 EA PHYSICAL & CHEMICAL CERT								
Total INVOICE TOTAL:									
Cash Discount \$									
5	Lines Total	** # of Lines Not Printed	0	Qty Shipped Total	75002.00	Total			
Picked By	Packed By	Checked By	Cube	Weight	Freight Charges	Received By			
			0.00000	232.50000					

NO RETURNS WITHOUT PRIOR APPROVAL (RMA # REQUIRED)



MELTED, ROLLED AND MANUFACTURED IN PEORIA, IL, USA

CERTIFICATION DOCUMENTATION

MILL PRODUCTION ORDER NUMBER:

0635050

SOLD TO: WESTERN WIRE PRODUCTS CO

770 SUN PARK DR

FENTON MO 63026

SHIPPED TO: WESTERN WIRE PRODUCTS CO

770 SUN PARK DR

FENTON, MO 63026

CUSTOMER PO #: 26487

FINISHED DIAMETER .0620

625406256400

RESOURCE NUMBER 56196 18112001

PRODUCT DESCRIPTION W0620 1006BCLBRDDIQ NA CONT CA

HEAT #	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	B	N
62017E	.04	.33	.009	.005	.10	.24	.07	.05	.02	.011	.007	.0063

Breaking Strength (lbf)		Tensile Strength (ksi)		Yield (ksi)		ROA %	Elongation %	Coating Weight ozft ²	
Min	Max	Min	Max	Min	Max			Min	Max
		124.1	124.1						

LOT# BB030113F

~~6/14/12~~ ~~1/14/13~~ ~~1/14/13~~

Shipment Number

DATE SHIPPED:

NET WEIGHT:

FREIGHT CARRIER

VEHICLE ID:

THIS MATERIAL HAS BEEN PRODUCED AND IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIFICATION

AND WE HEREBY CERTIFY THAT THE ABOVE TEST RESULTS ARE REPRESENTATIVE OF THOSE OBTAINED ON THE MATERIAL IN THIS SHIPMENT.

SIGNED:

SUPERVISOR, QUALITY ASSURANCE

THIS 27 DAY OF February, 2013 AD



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025233, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
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www.beconsumables.com

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO23913

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
5	10	EA	AN924-6J		6166	INLAND MACHINE	6W617		


Jason Lewis
Vice President of Quality

04/24/14

Inland Machine Co.

10762 EDISON CT.
RANCHO CUCAMONGA, CA 91730
Ph: (909)484-5579, Fax: (909)484-4825, Email:
IMCFITTINGS@EARTHLINK.NET

Invoice

To: M & M AEROSPACE HARDWARE, INC. P.O. BOX 025263 MIAMI, FL. 33102-5263	Ship To: M & M AEROSPACE HARDWARE, INC. 10000 N.W. 15TH TERRACE MIAMI, FL 33172
Invoice Date: 2/1/2010 Terms: 2 % 10 NET 30 Weight: Order Date: 4/15/2008 Cust. PO#: OEY623 # of Boxes: Ship Date: 2/1/2010 FOB: Shipment #: 1 Sales Order: OEY623 Buyer: Ship Via: FEDEX FREIGHT LTL Customer #: MMAH1 Ship Via Acc: COLLECT Invoice #: 37203	

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
------	-------------------------	---------	---------	----	------------	-----------

3 AN924-6J NUT REV.11
FULL CERTS

50000

0 NE

JOB# 6166

PARTS ARE DFAR COMPLIANT
PER: 252.225-7014 ALT.1

RELEASED BY:
LYSETTE BORGES

PACKING LIST

ALL PAST DUE ACCOUNTS SHALL BEAR INTEREST AT THE RATE OF 1
1/2 % PER MONTH. FORM001 REV. A

CERTIFICATION

WE CERTIFY THAT THE MATERIAL FURNISHED ON THIS
ORDER CONFORMS IN ALL RESPECTS TO APPLICABLE
BLUEPRINTS AND SPECIFICATIONS, EVID. OF
SUCH IS ON FILE WITH US OR OUR SUPPLIERS
SUBJECT TO EXAMINATION.



Ronald Doff 2-1-10

INLAND MACHINE COMPANY

MANUFACTURING AN-MS-NAS HYDRAULIC FITTINGS

MANUFACTURER'S AFFIDAVIT

I, RON DORFF (Name) hereby certify that the below named parts

were manufactured by INLAND MACHINE COMPANY (Company Name) located at

10762 EDISON CT (Street Address) RANCHO CUCAMONGA, CA (City) (State) 91730 (Zip Code)

Part No.	Part Description
AN924-6J	NUT REV.11
JOB# 6166	

I further certify that should any change in the manufacturing process occur which changes the country of origin; I will immediately notify M&M Aerospace Hardware, Inc. in writing and provide a new Manufacturer's Affidavit.

Ronald Dorff
(Signature)

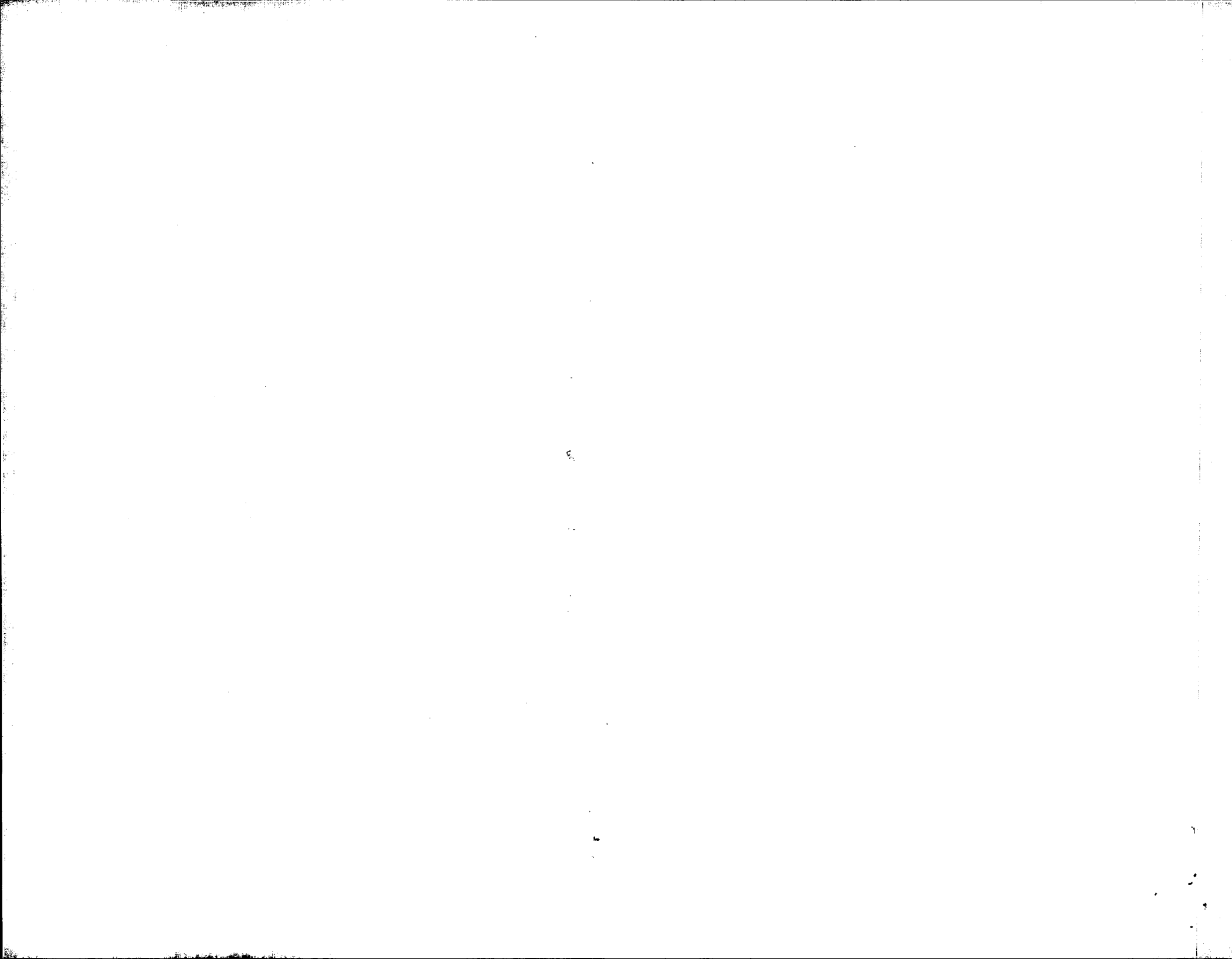
QUALITY CONTROL MANAGER
(Title)

FEBRUARY 01, 2010
(Date)

THIS DOCUMENT IS INTENDED ONLY FOR THE USE OF THE PERSON(S) TO WHOM IT IS ADDRESSED, IT MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If you are not the intended recipient, any dissemination, distribution, copying or other use of this document is strictly prohibited. If you have received this communication in error, please notify us by telephone 305.925.2600 to arrange for the destruction or return to us of original document.

10762 EDISON COURT - RANCHO CUCAMONGA, CA 91730 - 909-484-5579 - FAX 909-484-4825

EMAIL: imciffings@earthlink.net





50
 23842 Somme-Paire (LC) - Via Leonardo da Vinci 1 - 23045
 Tel. +390307212111 - Fax +390307212112
 Internet: www.rodacciai.com - e-mail: info@rodacciai.com



CERTIFICATO DI COLLAUDO Inspection Certif. N. 000649 Date 7/01/2008
 Secondo According to EN 10204:2004 3.1

CLIENTE - Customer

BRALCO METALS #43
 15090 NORTHAM STREET
 LA MIRADA, CA 90638

RODA SPECIALTY STEEL, INC.
 432 DIENS DRIVE
 60090 WHEELING, IL

PO: 43-77650

DESTINATARIO - Cargo-Receiver
 RODA SPECIALTY STEEL, INC.
 16380 DOWNEY AVE.

90723 PARAMOUNT CALIFORNIA

ORDINE - Order
 N. 300020

Date 18/06/2007

D.d.T. - Delivery note
 N. 10253/13 Date 2/07/2008

Weight Lb 8.907,00

- Bars Leng 3.660 - 3.710

QUALITA' - Grade
 STANDARD Type

304 / 304L

Mark RODACCIAI

304 PLUS

COLATA - Heat

947614

PROFILO - Shape

HEXAGON

DIMENSIONE - Size

13/16"

ESECUZIONE - Form of delivery

COLD DRAWN

ANALISI CHIMICA DI COLATA - Cast analysis

C	Mn	Si	S	P	Cr	Ni	Mo	Cu	Co
0,022	1,470	0,280	0,030	0,028	18,050	8,100	0,380	0,350	0,190
N									
0,087									

CARATTERISTICHE MECCANICHE ALLO STATO DI FORNITURA
 Mechanical properties of delivered material

		Tested	Min	Max
Tensile Strength	Rm PSI	105837,0	75000	
Yield Strength	Rp(0,2) PSI	85163,0	30000	
Elongation	A 4 (%)	41,0	40	
Hardness	HBW	220,0	140	223
Hardness	HRC	18,0		22
Reduction of area	Z (%)	70,0	50	

NOTE - Notes



Job# 6166 AN924-65

Sold to: INLAND MACHINE PO: V18549 Part: 6166 Order No.: 515342

TR clerk signature:



Rodacciai

50°
 23642 BONNIS Piana (L.C.) - Via Leopolda 1 - 20148
 Tel. +39051478111 - Fax +39051478112
 Internet: www.rodacciai.com - e-mail: info@rodacciai.com



Segue certificato di collaudo
 Inspection Certificate's continuance

N. 000649 Date 7/01/2008

NOTE - Notes

According to : ASTM A276-06 - ASTM A 479/A 479M - 06a
 AMS 5639H 2002 AMS QQ-S-763 Rev B 2006 cond.A
 ASME SA479M 2004-add.06a ASTM A182/A 182M - 06 ASME SA182-06
 ASTM A484/A 484M 06b ASTM A 320/A320M - 05a
 ASTM A193/A 193M 06a GR B8 class 1
 ASME SA 193 06a GR B8 Class 1 AMS 5647H 2002
 ASME SA 320 - 05a Nace MR 01 75 -02 ASTM A751-01 (2006)
 Intergranular corrosion tested to ASTM A262-02ae3 practi.E:OK
 The material was produced by EF + A.O.D.
 Micro and Macro structure : Satisfactory - No Weld Repair
 Free of Mercury contamination - Mercury: no contamination
 100% crack tested by eddy current method: OK
 Heat treatment = 1940°F quenched in water
 The raw material was melted in Spain.
 This product was manufactured in Italy.
 Grain size by Test Method E 112 = 5-6
 Material according to our specification Nr. 047

We certify hereby, that the above-mentioned products are consist-
 ent with the order prescriptions. This certificate was generated
 by data system acc. to EN 10204, it is not necessary to be
 signed for validity.

Pag. 2 / 2

RODACCIAI: The Work Inspector
 Roberto Quattri



Job # 6166 AN 924-6J

Sold to: INLAND MACHINE PO: V18549 Part: 6166 Order No.: 515342

TR clerk signature: _____

[Handwritten signature]



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO23913

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
2	200	EA	AN3-3A		16209	AIRFASCO INDUSTRIES	32958		


Jason Lewis
Vice President of Quality

04/24/14

Airfasco Industries, Inc.

2655 Harrison Ave SW
Canton, OH 44706
Ph: 330-430-6190, Fax: 330-430-6199,

Packing Slip

Original

Invoice #: 110964

Invoice Date: 11/17/2008

Time: 1:43:00 PM

Page: 1

To:
M&M AEROSPACE HARDWARE
PO BOX 025263
MIAMI, FL 33102
USA
Ph: 305-592-5155 Fax: 305-591-8357 PURCHAS

Ship To:
M&M AEROSPACE HARDWARE
10000 NW 15TH TERRACE
MIAMI, FL 33172

Cust. PO#: 0FN096

Terms: NET 60

Ship Via: FEDEX GROUND COShip Via Acc: 0331-0149-0

Order Date: 7/1/2008

of Items: 5

of Boxes: 28

Weight: 1261

Prepared By:

Sales Order: 90591

Ship Log #: 1

Ship Order:

Customer #: 12726

VAT #:

Cust VAT #:

Ship Date: 11/17/2008

Buyer: JOE GRAY

FOB:

AWB:

Shipment:

Item	Part Number/Description	Shipped	BackOrd	CD		Unit Price	UOM	Total Amt
1	AN173C7 BOLT, AN Loc/Whse: Control #: 0-0	0	2500	NE			EA	
6	AN3-3A BOLT, AN Loc/Whse: AFC2 Control #: 137459-1 L-16209 TEST REPORT L-16209	100000	0	NE			EA	
9	AN4CH4A BOLT, AN Loc/Whse: Control #: 0-0	0	5000	NE			EA	
11	AN5DD7A BOLT, AN Loc/Whse: Control #: 0-0	0	1500	NE			EA	
17	AN3C11 BOLT, AN Loc/Whse: Control #: 0-0	0	5230	NE			EA	

C OF C ENCLOSED
28 BOXES 521,740 LBS
2 PALLETS
PARTS MADE IN USA
THANK YOU!



AIRFASCO
INDUSTRIES

MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6190
FAX: (330)430-6199

CERTIFICATE OF CONFORMANCE

M&M AEROSPACE HARDWARE

I hereby certify that on 11/7/2008 AIRFASCO Industries provided the supplies called for by Contract/ PO Number **0FN096** in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.


WM. DENT

Quality Assurance Representative

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN3-3A	16209	100,000			

CIF3-0



AIRFASCO
INDUSTRIES
MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6190
FAX: (330)430-6199

PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 11/03/08

PART NO.: AN3-3A per NASM3-3A rev. 1

AFC LOT NO.: 16209

QTY MFG.: 243,900

PROCUREMENT SPECIFICATION: Produced per NASM 6812 rev. 2

HEAT TREAT

VENDOR: Brite Metal

CERTIFICATION NO.: B-141064

PROCUREMENT SPECIFICATION: Heat Treat per MIL-H-6875 H

PLATING

VENDOR: Beringer Plating

CERTIFICATION NO.: 51622

PROCUREMENT SPECIFICATION: Cadmium Plate per AMS-QQ-P-416B, Type II, Class 2

MATERIAL

MILL: Ivaco

COUNTRY OF MELT: Canada

HEAT: W99449

GRADE SPECIFICATION: Alloy Steel per AMS 6300 C, Type 4037, .218"

4037 MATERIAL CHEMISTRY

ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	Other	Other
LADLE	.380	.780	.005	.002	.200	.070	.070	.229	.040		

PHYSICAL PROPERTIES

PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	2,210 lbs.	1,690 lbs.	2,125 lbs.	HRC 26-32
ACTUAL	3,213 lbs.	2,797 lbs.	2,457 lbs.	HRC 29-31

Non-Destructive Magnetic Particle per ASTM-E-1444-05

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries
Quality Assurance Representative:


Wm. Dent



B/E Aerospace, Inc.

Page: 1 of 1

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO23913

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
4	15	EA	AN4C21A		16613	AIRFASCO INDUSTRIES	32958		


Jason Lewis
Vice President of Quality

04/24/14

Inv # 04/24/14

Airfasco Industries, Inc.

2655 Harrison Ave SW
Canton, OH 44706
Ph: 330-430-6190, Fax: 330-430-6199

Packing Slip

Original

Invoice #: 115751

Invoice Date: 10/6/2009

Time: 11:12:05 AM

Page: 1

To:

M&M AEROSPACE HARDWARE
PO BOX 025263
MIAMI, FL 33102
USA
Ph: 305-592-5155 Fax: 305-591-8357 PURCHAS

Ship To:

M&M AEROSPACE HARDWARE
10000 NW 15TH TERRACE
MIAMI, FL 33172

Cust. PO#: 0HE167

Order Date: 10/15/2008

Prepared By:

Customer #: 12726

Buyer:

Terms: NET 60

of Items: 2

Sales Order: 91907

VAT #:

FOB:

Ship Via: FEDEX GROUND COShip Via Acc: 0331-0149-0

of Boxes: 10

Ship Log #: 1

Cust VAT #:

AWB:

Weight:

Ship Order:

Ship Date: 10/6/2009

Shipment:

Item	Part Number/Description	Shipped	BackOrd	CD			Unit Price	UOM	Total Amt
3	AN7-21A BOLT, AN Loc/Whse: Control #: 0-0	0	10000	NE				EA	
9	AN4C21A BOLT, AN Loc/Whse: Control #: 142534-1 L-16613 TEST REPORT L-16613 AIRFASCO TERMS AND REQUIREMENTS FOR APPROVAL OF PRODUCT, PROCEDURES, AND EQUIPMENT: THE QUALIFICATION OF PERSONNEL AND QUALITY MANAGEMENT SYSTEM REQUIREMENTS, THE POSITIVE AND APPLICABLE SPECIFICATIONS, DRAWINGS, PROCESS REQUIREMENTS, INSPECTION INSTRUCTIONS AND OTHER RELEVANT TECHNICAL DATA, THE TEST SPECIMENS FOR DESIGN APPROVAL, INSPECTION, INVESTIGATION, OR AUDITING, RELATIVE TO SUPPLIER NOTIFICATION TO ORGANIZATION OF NON-CONFORMING PRODUCT AND ARRANGEMENTS FOR ORGANIZATION APPROVAL OF SUPPLIER NON-CONFORMING MATERIAL, THE SUPPLIER TO NOTIFY THE ORGANIZATION OF CHANGES IN PRODUCT.	10000	0	NE				EA	

C OF C ENCLOSED

10 BOXES

1 PALLET

PARTS MADE IN USA

THANK YOU!

Airfasco Industries, Inc.

2655 Harrison Ave SW
Canton, OH 44706
Ph: 330-430-6190, Fax: 330-430-6199,

Packing Slip

Original

Invoice #: 115751

Invoice Date: 10/6/2009

Time: 11:12:06 AM

Page: 2

To:

M&M AEROSPACE HARDWARE
PO BOX 025263
MIAMI, FL 33102
USA

Ph: 305-592-5155 Fax: 305-591-8357 PURCHAS

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Weight:

Ship Order:

Ship Date: 10/6/2009

Shipment:

Item	Part Number/Description	Shipped	BackOrd	CD			Unit Price	UOM	Total Amt
	PROCESS DEFINITION AND, WHERE REQUIRED, OBTAIN ORGANIZATION APPROVAL, THE RIGHT OF ACCESS BY THE ORGANIZATION, THEIR CUSTOMER, AND REGULATORY AUTHORITIES TO ALL FACILITIES INVOLVED IN THE ORDER AND ALL APPLICABLE RECORDS, THE SUPPLIER TO FLOW DOWN TO SUB-TIER SUPPLIERS THE APPLICABLE REQUIREMENTS IN THE PURCHASING DOCUMENTS, INCLUDING KEY CHARACTERISTICS WHERE REQUIRED.								

C OF C ENCLOSED

10 BOXES

1 PALLET

PARTS MADE IN USA

THANK YOU!



AIRFASCO

INDUSTRIES

MANUFACTURER OF AEROSPACE PRODUCTS

2655 HARRISON AVE. SW
CANTON, OH 44706
PHONE: (330)430-6190
FAX: (330)430-6199

PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 10/01/09

PART NO.: AN4C21A per NASM4C21A rev.1

AFC LOT NO.: 16613

QTY MFG.: 20,800

PROCUREMENT SPECIFICATION: Produced per NASM 6812 rev. 2

HEAT TREAT

VENDOR: Bodycote

CERTIFICATION NO.: 38-120762

PROCUREMENT SPECIFICATION: Heat Treat per AMS-H-6875 A

PLATING

VENDOR: AFC

CERTIFICATION NO.: 09-16613

PROCUREMENT SPECIFICATION: Passivate per AMS 2700, Method 2, QQ-P-35

MATERIAL

MILL: Carpenter

COUNTRY OF MELT: USA

HEAT: 554452

GRADE SPECIFICATION: Stainless Steel per MIL-S-18732, AMS 5628D, Type 431SS, .243"

431SS MATERIAL CHEMISTRY											
ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AL-	Other
LADLE	.150	.610	.016	.003	.570	1.710	16.16	.030	.050	.000	

PHYSICAL PROPERTIES				
PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	4,080 lbs.	3,130 lbs.	3,680 lbs.	HRC 26-32
ACTUAL	5,311 lbs.	4,772 lbs.	4,236 lbs.	HRC 30-31

Non-Destructive Magnetic Particle per ASTM-E-1444-05

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

Airfasco Industries
Quality Assurance Representative:

Wm. Dent



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO23913

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
3	500	EA	AN3C5A		68634	MAC FASTENERS		0RPT4	


Jason Lewis
Vice President of Quality

04/24/14

MACFASTENERS, INC.

1110 Enterprise Street
Ottawa, KS 66067
Phone: 785-242-8812
Fax: 785-242-4616

Packing List**Bill** B/E AEROSPACE CONSUMABLES MGMT**To:** 10000 NW 15TH TERRACE

MIAMI, FL 33172

Ship B/E AEROSPACE CONSUMABLES MGMT**To:** 9835 NW 14th Street

Miami, FL 33172

United States

Shipment No: 62959**Shipment Date:** 03/28/14**Ship Via:** United Parcel Service**Order Number:** 48534**Order Date:** 07/26/13**Customer Code:** BE AEROSPACE**Phone:** (305) 925-2600**PO Number:** 0RJS95**Terms:** Net 30 Days

LOT #68634

<u>Item</u>	<u>Quantity</u>				<u>Unit</u>	<u>Description</u>	<u>Job Number</u>
	<u>Open</u>	<u>Shipped</u>	<u>Back Ord</u>	<u>Canceled</u>			
2	50,000	49,922	78		M	AN3C5A Bolt, machine— Aircraft	68634

MAC FASTENERS, INC.
1110 ENTERPRISE
OTTAWA, KANSAS 66067

**CERTIFICATE OF CONFORMANCE
AND
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: B/E AEROSPACE

PO: 0RJS95

PART NUMBER: AN3C5A

REV: 2

LOT NUMBER: 68634

MANUFACTURED QUANTITY: 60,000

MILL HEAT NUMBER: 568597

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

MERCURY FREE CERTIFICATION

MacFasteners Inc. certifies that the parts referenced in the above lot number do not contain Mercury or Mercury compounds, and were manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS, INC. within the United States, and were processed in accordance with all applicable drawings and specifications.

Objective evidence of compliance is on file, subject to examination upon request.

DATE: 01/29/14


QUALITY ASSURANCE REPRESENTATIVE

MacFasteners, Inc. is an AS9100C Registered Company- SAI GLOBAL - 0058029

MAC FASTENERS, INC.
1110 EAST ENTERPRISE
OTTAWA, KS 66067

CHEMICAL & PHYSICAL TEST REPORT

CUSTOMER B/E AEROSPACE	PO NUMBER 0RJS95	MFG QUANTITY 60,000	DATE 01/29/14
PART NUMBER AN3C5A	REV 2	LOT NO 68634	PROCUREMENT SPEC NASM6812

MATERIAL				MATERIAL SPECIFICATION				MILL HEAT NUMBER			SUPPLIER		
TYPE 431				ASTM A493				568597			CARPENTER		
C	SI	Mn	P	S	Cu	NI	Cr	Mo	V	B	Fe	Al	Ti
.17	.48	.65	.019	.001		1.58	15.9						
	Co	N	BI	Pb	Mg	Zn		Nb	Sn			Other	

MECHANICAL TEST RESULTS - TESTING PER NASM1312

ULTIMATE TENSILE STRENGTH POUNDS
3,470
3,430
3,420
3,410
3,450
MIN. REQ. 2,210

DOUBLE SHEAR STRENGTH POUNDS / PSI
TOO SHORT TO TEST PER NASM1312-13
MIN. REQ.


HARDNESS
ROCKWELL "C" SCALE
REQ. 26 - 32 HRC
SAMPLE SIZE 5
ACTUAL RESULTS 27 - 28 HRC

METALLURGICAL EXAMINATION			
Discontinuities	<input checked="" type="checkbox"/>	Carb/Decarb	<input checked="" type="checkbox"/>
Grain Flow	<input checked="" type="checkbox"/>	Microstructure	<input checked="" type="checkbox"/>
Grain Size	<input checked="" type="checkbox"/>	Appearance	<input checked="" type="checkbox"/>
Thread Inspection FED-STD-H28/20 - ASME B1.3	System 21 <input type="checkbox"/>	System 22 <input checked="" type="checkbox"/>	System 23 <input type="checkbox"/>

NDT/ ADDITIONAL TESTS
Magnetic Particle Inspection per ASTM E1444 <input type="checkbox"/>
Liquid Penetrant Inspection per ASTM E1417 <input type="checkbox"/>
Recess Torque Test <input type="checkbox"/>
Head Marking <input checked="" type="checkbox"/>
Magnetic Permeability ASTM A342 less than 2.0 <input type="checkbox"/>

TEST CERTIFICATION

WE CERTIFY THAT THE PART NUMBER, LOT NUMBER, AND SAMPLES REFERENCED ABOVE HAVE BEEN TESTED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATION FOR THE TESTS REPORTED HEREIN. THIS CERTIFICATION SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE APPROVAL OF MAC FASTENERS, INC.


 Quality Assurance Representative

AS9100C REGISTERED
SAI GLOBAL - 0058029

MAC FASTENERS, INC.
1110 ENTERPRISE
OTTAWA, KANSAS 66067

HEAT TREAT CERTIFICATION

CUSTOMER: B/E AEROSPACE

DATE: 01/29/14

PO NUMBER: 0RJS95

MANUFACTURED QUANTITY: 60,000

PROCESSOR:

PAULO PRODUCTS KCMO - NADCAP ID 4679

LOT NUMBER: 68634

MATERIAL: TYPE 431

PART NUMBER: AN3C5A

REVISION: 2

REQUIRED HARDNESS: 26 - 32 HRC

SAMPLE SIZE: 5

HARDNESS: 27 - 28 HRC

HEAT TREAT SPECIFICATION AS APPLICABLE: MIL-H-6875/AMS-H-6875/AMS2759/AMS5853/PS-1001

Notes:

The fasteners referenced in this report have been processed, inspected and certified by the Heat Treat Contractor in accordance with all applicable drawings and specifications. Heat Treatment has been verified in accordance with procurement specification and part drawing, by metallurgical and mechanical testing as applicable. Evidence of compliance as well as certification from the Heat Treat Contractor is on file and subject to examination upon request.


QUALITY ASSURANCE REPRESENTATIVE

MacFasteners, Inc. is an AS9100C Registered Company - SAI GLOBAL - 0058029

DE TRAY

Plating Works

Specialized Electro-Plating and Polishing
Nickel
Copper
Decorative Chrome
Satin Chrome
Zinc
Cadmium
Passivate
Bright Dip
Strip Copper
Descale

10405 EAST ELEVENTH STREET • INDEPENDENCE, MISSOURI 64052
Phone (816) 252-8411 Fax (816) 252-8527 • E-mail: DeTrayPlating@aol.com

Passivate Treatment per QQ-P-35C/SAE AMS QQ-P-35/AMS2700

CUSTOMER: Mac Fasteners Lot#: 68634
PART NUMBER: AN3C5A
PROCUREMENT SPECIFICATION: n/a
OTHER CONTRACTURAL REQUIREMENTS:
MATERIAL: 431
QUANTITY: 425 lbs
INVOICE NUMBER: 176299

Certification Statement:

We certify that the above referenced lot was processed, tested, and inspected in accordance with QQ-P-35C/SAE AMS-QQ-P-35, AMS2700 and part standard.

DE TRAY PLATING WORKS

NAME: James V. Riccio

JOB TITLE: VICE-PRESIDENT

DATE: 1/24/2014

CERTIFICATE OF TESTS

ABNAHMEPRUEFZEUGNIS

CERTIFICAT DE CONTROLE

CERT SERIAL# 000879077



CARPENTER

Carpenter Technology Corporation
101 West Bern Street, Reading, Pa. 19601
Tel: (610) 208-2000 (800) 338-4592

- THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.
- THE VALUES AND OTHER TECHNICAL DATA REPRESENT THE RESULTS OF ANALYSES AND TESTS MADE ON SAMPLES COLLECTED FROM THE TOTAL LOT. ORIGINAL DATA RECORDS CAN BE TRACED BY REFERENCE TO THE CARPENTER ORDER NUMBER.
- MATERIAL IS MANUFACTURED FREE FROM MERCURY, RADIUM, ALPHA AND GAMMA SOURCE CONTAMINATION.
- THIS DOCUMENT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN CONSENT OF CARPENTER TECHNOLOGY CORPORATION.

06/10/13

CUSTOMER / BESTELLER / CLIENT

MAC FASTENERS INC

1110 E. ENTERPRISE
OTTAWA KS 66067

SELLER / VERKÄUFER / VENDEUR PAGE 1 OF 1

BOL

CUSTOMER ORDER NO. / BESTELL-NR. / N° DE COMMANDE	CARPENTER NO. / WERKS-NR. / N° DE REFERENCE INTERNE	DATE / DATUM / DATE	WEIGHT / GEWICHT / POIDS
81050	W72447	06/10/13	2395.000

HEAT NUMBER / SCHMELZE-NR. / N° DE COULEE : 568597

PRODUCT DESCRIPTION: TYPE 431 COLD FINISH SEAM FREE ANNEALED C HDG CL K1 HVY
CU TENSILE MAX 100.0 KSI

SPECIFICATION: ASTM-A493-09

SIZE 0.187500 IN. (4.76 MM) RD WIRE

PRIMARY HEAT CHEMISTRY (WT%): (TEST METHOD IS SHOWN IN PARENTHESIS)

C (COM)	MN (XRF)	SI (XRF)	P (XRF)	S (COM)	CR (XRF)
0.17	0.65	0.48	0.019	0.001	15.9
NI (XRF)					
1.58					

TENSILE AS SHIPPED, KSI (MPA) 94.5 (652)

MATERIAL HAS BEEN MELTED AND MANUFACTURED IN THE USA WHICH IS A QUALIFYING COUNTRY TO DFARS REQUIREMENTS 252.225-7014 WITH ALTERNATE 1 FOR QUALIFYING COUNTRY 225.872.1, SUPERSEDED BY DFARS REQUIREMENTS DFARS 252.225-7008 AND 252.225-7009.

THIS ORDER WAS MANUFACTURED IN ACCORDANCE WITH CARPENTER SPECIALTY ALLOYS OPERATIONS QUALITY PROGRAM MANUAL, REVISION 30 DATED 09/28/11.

CARPENTER'S QUALITY MANAGEMENT SYSTEM WAS REGISTERED AS OF NOVEMBER 24, 2010 TO THE REQUIREMENTS OF ISO 9001:2008 APPROVAL CERTIFICATE 10-1385R BY PERFORMANCE REVIEW INSTITUTE. THIS CERTIFICATE OF TEST IS TYPE 3.1 PREPARED IN ACCORDANCE WITH EN 10204 (DIN 50049). WE HEREBY CERTIFY THAT THE ABOVE TEST DATA ARE IN ACCORDANCE WITH THE PURCHASE ORDER AND SPECIFICATION REQUIREMENTS, AS DOCUMENTED IN THIS CERTIFICATE OF TESTS.

TEST METHODS ARE PER THE ASTM STANDARDS ON FILE AND IN EFFECT AT TIME OF ORDER ACCEPTANCE, STANDARD PRACTICES, OR AS AGREED UPON BETWEEN CARPENTER & CUSTOMER.

GARY BROWN
MANAGER - SPECIFICATIONS/CERTIFICATIONS
CARPENTER TECHNOLOGY CORPORATION

Gary Brown

This certification is made to the customer printed on this form. Carpenter neither makes, nor assumes responsibility for, any representation or certification to other parties.
Die vorliegende Zertifizierung ist nur für den in diesem Formular genannten Kunden gültig. Carpenter übernimmt gegenüber Dritten keinerlei Haftung für die ausgetauschten Daten oder Zertifizierungen.
Ce certificat est uniquement valable pour le client dont le nom est imprimé sur ce formulaire. Carpenter n'assume pas de responsabilité pour une certification vis-à-vis d'une tierce personne.



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

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FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO23913

LINE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
7	200	EA	HL20PB-5-8		69884	WEST COAST AEROSPACE	60516		


Jason Lewis
Vice President of Quality

04/24/14



**WEST COAST
AEROSPACE, INC.**

24224 Broad Street • Carson, CA 90745

■ Cust. Service 310/518.0633 ■ Fax. 310/518.4071
■ Accounting 310/847.4823

INVOICE NUMBER

230199

S ■ 076
O B/E AEROSPACE, INC.
L CONSUMABLES MANAGEMENT
D ■ P.O. BOX 025263
T MIAMI, FL
O ■

33102-5263

S ■
H B/E AEROSPACE, INC.
I CONSUMABLES MANAGEMENT
P ■ 9835 NW 14TH ST
T MIAMI, FL
O ■

33172

DATE	PURCHASE ORDER NUMBER	SHIPPED VIA	TERMS
09/24/2013	ONKH77	FEDEXGD/NATIONAL LTL	NET 30

1	50000	HL20PB-5-8 RELEASE # KRM40NKH77 BARCODE REQUIRED	REV. 23	69884
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GENERAL TERMS AND CONDITIONS OF SALE
ALL MATERIAL RETURNED TO WEST COAST
AEROSPACE WITHOUT PRIOR AUTHORIZATION
WILL BE REFUSED AND SENT BACK AT
YOUR COST. PLEASE CALL WEST COAST
AEROSPACE CUSTOMER SERVICE FOR A
RMA NUMBER PRIOR TO ANY RETURN.
SELLER SHALL NOT BE LIABLE FOR AN
LOSS OR DAMAGE RESULTING FROM DELAY
OR NONFULFILLMENT OF ORDERS DUE TO
STRIKES, FIRES, ACCIDENTS, TRANSPORTATION
COMPANIES OR FOR ANY REASON OR REASONS
BEYOND THE CONTROL OF SELLER OR ITS SUPPLIERS.

IF ANY DISPUTE OR LEGAL ACTION ARISES
INVOLVING THE COLLECTION OF THE
INVOICE THE PREVAILING PARTY SHALL BE
ENTITLED TO AN AWARD OF REASONABLE
ATTORNEY'S FEES AND COURT COSTS IN
ADDITION TO ANY OTHER RELIEF THAT MAY
BE GRANTED BY THE COURT.

IF AN INVOICE IS NOT PAID WITHIN 30 DAYS
OF BILLING DATE, AMOUNT DUE WILL BE
SUBJECT TO FINANCE CHARGE OF 1 1/2%
(ANNUAL PERCENTAGE OF 18%).

CERTIFICATION OF CONFORMANCE AND AFFIDAVIT

SELLER HEREBY CERTIFIES THAT THE RAW MATERIALS USED IN THE PERFORMANCE OF THIS CONTRACT HAVE BEEN TESTED IN ACCORDANCE WITH AND MEETS THE CHEMICAL AND PHYSICAL REQUIREMENTS OF APPLICABLE MATERIAL AND/OR PROCUREMENT SPECIFICATIONS. SELLER FURTHER CERTIFIES THAT METALLURGICAL EXAMINATIONS AND PHYSICAL TESTS OF FINISHED PRODUCT, WHEN REQUIRED BY CONTRACT, ARE REPORTED. METALLURGICAL AND PHYSICAL TEST REPORTS ARE ON FILE AND AVAILABLE FOR EXAMINATION BY CUSTOMER. FOR ACTUAL INDIVIDUAL PHYSICAL AND CHEMICAL TEST RESULTS, IDENTIFIABLE BY PART NUMBER, INSPECTION LOT NUMBER, AND MATERIAL SUPPLIER'S HEAT NUMBER FOR THE INSPECTION LOT FROM WHICH SHIPMENT WAS MADE, REFER TO WEST COAST AEROSPACE, INC. CERTIFIED TEST REPORT, IF APPLICABLE. SELLER FURTHER CERTIFIES THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS. FLUORESCENT PENETRANT, OR MAGNETIC PARTICLE INSPECTIONS HAVE BEEN PERFORMED AND MEET THE REQUIREMENTS OF DRAWINGS AND CONTRACT REQUIREMENTS. RECORDS OF SUCH INSPECTIONS ARE ON FILE AND AVAILABLE FOR EXAMINATION BY CUSTOMER.

TSO-C148 APPROVED

THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH TSO-C148. THE CONDITIONS AND TESTS REQUIRED FOR TSO APPROVAL OF THIS ARTICLE ARE MINIMUM PERFORMANCE STANDARDS SET IN THE MANUFACTURER'S DESIGN. AIRCRAFT FASTENERS APPROVED UNDER THIS TSO ARE NOT NECESSARILY INTERCHANGEABLE WITH OTHER AIRCRAFT FASTENERS APPROVED UNDER THIS TSO. FASTENERS OF SIMILAR DIMENSIONAL PROPERTIES MAY HAVE WIDELY VARYING PERFORMANCE AND METALLURGICAL PROPERTIES. SUBSTITUTION OF PARTS MAY ONLY BE DONE IF ACCEPTABLE TO OR APPROVED BY THE ADMINISTRATOR.

CS023 10/11

PACKING SLIP



West Coast
AEROSPACE INC.

220 WEST "E" STREET
WILMINGTON, CALIFORNIA 90744

TELEPHONE: (310) 518-0633
FACSIMILE: (310) 518-4071

PAGE: 1 of 1

QUALITY ASSURANCE AND RELIABILITY TEST REPORT

DATE: 09/24/2013

INVOICE NUMBER: 230199

CUSTOMER: B/E AEROSPACE INC.

PO NO.: ONKH77

QUANTITY

PART NO.: HL20PB-5-8

VENDOR PART NO.: HL20PB-5-8

SHIPPED: 50000

REV. NO.: 23
MATERIAL: 8740

VENDOR MIL NO.: 005104

MATERIAL
PRODUCER: WIRE TECH

SPEC: AMS 6322 Rev.N

HEAT NO.: 10166390

LOT SIZE: 78301

INSPECTION LOT NUMBER: 69884

MELT: USA
TEST DATE: 09/24/2013

DATE OF MANUFACTURE: 5/13/2013

ULTIMATE TENSILE STRENGTH		DOUBLE SHEAR	TENSION TENSION FATIGUE LIFE		MIL ANALYSIS		METALLURGICAL EXAMINATION																																							
POUNDS	LOCATION OF FAILURE	STRENGTH IN POUNDS	CYCLES	LOCATION OF FAILURE			SAMPLE SIZE: 15 MICRO EXAM SPEC: ACCEPT MACRO EXAM SPEC: ACCEPT H2: N/A ppm FINAL																																							
2409	THREAD	4196	N/A		Al	O	<table><tr><th colspan="4">HARDNESS TEST-ROCKWELL C SCALE</th></tr><tr><td>38</td><td>38</td><td>38</td><td>38</td></tr><tr><td>38</td><td>38</td><td>38</td><td>38</td></tr><tr><td>37</td><td>36</td><td>37</td><td>38</td></tr><tr><td>38</td><td>38</td><td>38</td><td>38</td></tr><tr><td>36</td><td>38</td><td>38</td><td>38</td></tr><tr><td>38</td><td>38</td><td>37</td><td>38</td></tr><tr><td>37</td><td>37</td><td>38</td><td>38</td></tr><tr><td>38</td><td>38</td><td>38</td><td>38</td></tr></table>				HARDNESS TEST-ROCKWELL C SCALE				38	38	38	38	38	38	38	38	37	36	37	38	38	38	38	38	36	38	38	38	38	38	37	38	37	37	38	38	38	38	38	38
HARDNESS TEST-ROCKWELL C SCALE																																														
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2584	THREAD	4165			Bi	Pb					.01																																			
2519	THREAD	4200			C	R																																								
2531	THREAD	4203			Ca	S					.01																																			
2449	THREAD	4198			Cb	Se																																								
2502	THREAD	4196			Co	Si					.25																																			
2454	THREAD	4198	Cr	Sn																																										
2477	THREAD	4213	Cu	Ta																																										
2302	THREAD	4205	Fe	Ti																																										
2411	THREAD	4228	H	Tin																																										
2463	THREAD	4217	Mg	V																																										
2401	THREAD	4240	Mn	Y	.84																																									
2515	THREAD	4219	Mo	Zn	.27																																									
2489	THREAD	4207	N	Zr																																										
2475	THREAD	4222	Ni		.43																																									
			Cb+Ta																																											
			MIN REQ:				HIGH READING: 40 LOW READING: 36 SAMPLE SIZE: 32																																							
			AVG REQ:																																											
			LOW LOAD:																																											
MIN REQ: 2180		MIN REQ: 4010	HIGH LOAD:																																											
MAX REQ:		MAX REQ:																																												

OTHER SPECIFICATION (IF ANY)

YES

- 1 THREAD ROLL PER AS 8879D X
- 2 HEAT TREAT PER AMS-H-6875B X
- 3 CETYL ALCOHOL AS87132-06 TY III GRADE C/HS305W X
- 4 MAG PARTICLE PER ASTM-E-1444-05 X
- 5 CAD PLATE AMS-QQ-P-416C TY.II CL.2 X
- 6 MATERIAL ALLOY HAS BEEN VERIFIED X
- 7 PART NAME: BOLT X
- 8 MICRO ETCHANT: NITAL X

PROCUREMENT SPEC: HS342 REV AG

TEST PER NASM1312-5
SIZE: LOAD: N/A HOURS:

DUCTILITY TEST: N/A

COATING/PLATING THICKNESS: ACCEPT

REMARKS/DEVIATIONS (IF ANY)

CERTIFICATION OF CONFORMANCE

THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED IN USA AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. INSPECTIONS RECORDS ARE ON FILE AND ARE AVAILABLE ON REQUEST OF THE PROCURING AGENCY.

PART THREADS ARE MANUFACTURED AND INSPECTED IN ACCORDANCE WITH AS8879 (MIL-S-8879 IF MANUFACTURED BEFORE 10/96). MODIFIED PER APPLICABLE DRAWING.

MAGNETIC PARTICLE INSPECTION AND FLUORESCENT PENETRANT INSPECTION AS APPLICABLE HAS BEEN PERFORMED IN ACCORDANCE WITH THE APPLICABLE SPECIFICATION.

CADIUM PLATED PINS BAKED FOR HYDROGEN EMBRITTLEMENT RELIEF FOR 23 HRS. MIN AT 375 DEGS F WITHIN 4 HRS. AFTER PLATING AND BEFORE SUPPLEMENTARY CHROMATE TREATMENT. (APPLICABLE TO 8740 MATERIAL ONLY)

TSO-C148 Approved

THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH TSO-C148. THE CONDITIONS AND TESTS REQUIRED FOR TSO-C148 APPROVAL OF THIS ARTICLE ARE MINIMUM PERFORMANCE STANDARDS SET IN THE MANUFACTURER'S DESIGN. AIRCRAFT FASTENERS APPROVED UNDER THIS TSO ARE NOT NECESSARILY INTERCHANGEABLE WITH OTHER AIRCRAFT FASTENERS APPROVED UNDER THIS TSO. FASTENERS OF SIMILAR DIMENSIONAL PROPERTIES MAY HAVE WIDELY VARYING PERFORMANCE AND METALLURGICAL PROPERTIES. SUBSTITUTION OF PARTS MAY ONLY BE DONE IF ACCEPTABLE OR APPROVED BY THE ADMINISTRATOR.

ISO 9001, AS9100, AND AS9102 COMPLIANT. MATERIAL SUPPLIED ON THIS ORDER IS IN COMPLIANCE WITH DFM 252.225-7009.

THE TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF WEST COAST AEROSPACE INC. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENT OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

APPROVED:

FRED BACA, QC TECH



B/E Aerospace, Inc.

Page: 1 of 1

CONSUMABLES MANAGEMENT

P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.beconsumables.com

Shipped From: 10000 NW 15 TERRACE, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to B/E Aerospace, Inc.

FIRM: DART AEROSPACE LTD

PURCHASE ORDER#: PO23913

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE	MFR DATE	EXP DATE
6	200	EA	HL20PB-5-12		64030	WEST COAST AEROSPACE	60516		


Jason Lewis
Vice President of Quality

04/24/14



**WEST COAST
AEROSPACE, INC.**

24224 Broad Street • Carson, CA 90745

■ Cust. Service 310/518.0633 ■ Fax. 310/518.4071
■ Accounting 310/847.4821

INVOICE NUMBER

215476

S ■ MM 76
O ■ M & M AEROSPACE HARDWARE, INC.
L ■ ATTN ACCTS PAYABLE
D ■ P.O. BOX 025263
T ■ MIAMI, FL.
O ■

33102-5263

S ■ M & M AEROSPACE HARDWARE, INC.
H ■
I ■
P ■ 10000 N.W. 15TH TERRACE
MIAMI, FL
T ■ 33172
O ■

DATE	PURCHASE ORDER NUMBER	SHIPPED VIA	TERMS
07/23/2009	OFZ599	FDEXGRD#150/NATNL151#	NET 30

2 10000

HL20PB-5-12

REV 23

64030

C OF C

TR'S

Certificate of Conformance

Carl Franz

Quality Engineer
West Coast Aerospace, Inc.



GENERAL TERMS AND CONDITIONS OF SALE
ALL MATERIAL RETURNED TO WEST COAST AEROSPACE WITHOUT PRIOR AUTHORIZATION WILL BE REFUSED AND SENT BACK AT YOUR COST. PLEASE CALL WEST COAST AEROSPACE CUSTOMER SERVICE FOR AN RMA NUMBER PRIOR TO ANY RETURN. SELLER SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE RESULTING FROM DELAYS OR NONFULFILLMENT OF ORDERS OWING TO STRIKES, FIRES, ACCIDENTS, TRANSPORTATION COMPANIES OR FOR ANY REASON OR REASONS BEYOND THE CONTROL OF SELLER OR ITS SUPPLIERS.

IF ANY DISPUTE OR LEGAL ACTION ARISE INVOLVING THE COLLECTION OF THIS INVOICE THE PREVAILING PARTY SHALL BE ENTITLED TO AN AWARD OF REASONABLE ATTORNEY'S FEES AND COURT COSTS IN ADDITION TO ANY OTHER RELIEF THAT MAY BE GRANTED BY THE COURT.

IF AN INVOICE IS NOT PAID WITHIN 30 DAYS OF BILLING DATE, AMOUNT WILL BE SUBJECT TO FINANCE CHARGE OF 1 1/2% (ANNUAL PERCENTAGE OF 18%).

CERTIFICATION OF CONFORMANCE AND AFFIDAVIT

SELLER HEREBY CERTIFIES THAT THE RAW MATERIALS USED IN THE PERFORMANCE OF THIS CONTRACT HAVE BEEN TESTED IN ACCORDANCE WITH AND MEETS THE CHEMICAL AND PHYSICAL REQUIREMENTS OF APPLICABLE MATERIAL AND/OR PROCUREMENT SPECIFICATIONS. SELLER FURTHER CERTIFIES THAT METALLURGICAL EXAMINATIONS AND PHYSICAL TESTS OF FINISHED PRODUCT, WHEN REQUIRED BY CONTRACT, ARE REPORTED. METALLURGICAL AND PHYSICAL TEST REPORTS ARE ON FILE AND AVAILABLE FOR EXAMINATION BY CUSTOMER. FOR ACTUAL INDIVIDUAL PHYSICAL AND CHEMICAL TEST RESULTS, IDENTIFIABLE BY PART NUMBER, INSPECTION LOT NUMBER, AND MATERIAL SUPPLIER'S HEAT NUMBER FOR THE INSPECTION LOT FROM WHICH SHIPMENT WAS MADE, REFER TO WEST COAST AEROSPACE, INC. CERTIFIED TEST REPORT, IF APPLICABLE. SELLER FURTHER CERTIFIES THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS. FLUORESCENT PENETRANT, OR MAGNETIC PARTICLE INSPECTIONS HAVE BEEN PERFORMED AND MEET THE REQUIREMENTS OF DRAWINGS AND CONTRACT REQUIREMENTS. RECORDS OF SUCH INSPECTIONS ARE ON FILE AND AVAILABLE FOR EXAMINATION BY CUSTOMER.

TSO-C141 APPROVED

THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN MANUFACTURED AND INSPECTED IN ACCORDANCE WITH TSO-C141. THE CONDITIONS AND TESTS REQUIRED FOR TSO APPROVAL OF THIS ARTICLE ARE MINIMUM PERFORMANCE STANDARDS SET IN THE MANUFACTURER'S DESIGN. AIRCRAFT FASTENERS APPROVED UNDER THIS TSO ARE NOT NECESSARILY INTERCHANGEABLE WITH OTHER AIRCRAFT FASTENERS APPROVED UNDER THIS TSO. FASTENERS OF SIMILAR DIMENSIONAL PROPERTIES MAY HAVE WIDELY VARYING PERFORMANCE AND METALLURGICAL PROPERTIES. SUBSTITUTION OF PARTS MAY ONLY BE DONE IF ACCEPTABLE TO OR APPROVED BY THE ADMINISTRATOR.

CS023 5/06

PACKING SLIP



220 WEST "E" STREET
WILMINGTON, CALIFORNIA 90744

TELEPHONE: (310) 518-0633
FACSIMILE: (310) 518-4071

PAGE: 1 of 1

QUALITY ASSURANCE AND RELIABILITY TEST REPORT

DATE: 07/23/2009

INVOICE NUMBER: 215476

CUSTOMER: M & M AEROSPACE HARDWARE INC.

PO NO.: OFZ599

QUANTITY
SHIPPED: 10000

PART NO.: HL20PB-5-12
REV. NO.: 23
MATERIAL: 8740

VENDOR PART NO.: HL20PB-5-12
REV. NO.: 23
VENDOR MIL NO.: 004777

MATERIAL
PRODUCER: WIRE TECH INC.

SPEC: AMS 6322 Rev.N

HEAT NO.: 569920

LOT SIZE: 15718

INSPECTION LOT NUMBER: 64030

MELT: USA
TEST DATE: 07/22/2009

DATE OF MANUFACTURE: 2/13/2009

ULTIMATE TENSILE STRENGTH		DOUBLE SHEAR	TENSION FATIGUE LIFE		MIL ANALYSIS	METALLURGICAL EXAMINATION			
POUNDS	LOCATION OF FAILURE	STRENGTH IN POUNDS	CYCLES	LOCATION OF FAILURE		SAMPLE SIZE: 10 MICRO EXAM SPEC: ACCEPT MACRO EXAM SPEC: ACCEPT H2: N/A ppm FINAL			
2269	THREAD	4331	N/A		Al	O	HARDNESS TEST-ROCKWELL C SCALE		
2323	THREAD	4315			B	P			.01
2309	THREAD	4323			Bi	Pb			
2366	THREAD	4325			C	R			
2545	THREAD	4330			Ca	S			.012
2281	THREAD	4324			Cb	Se			
2207	THREAD	4327			Co	Si			.27
2189	THREAD	4333			Cr	Sn			
2359	THREAD	4325			Cu	Ta			
2267	THREAD	4329			Fe	Ti			
					H	Tin			
					Mg	V			
					Mn	Y			
					Mo	Zn			
			N	Zr					
			Ni						
			Cb+Ta						
			MIN REQ: AVG REQ: LOW LOAD: HIGH LOAD:						
MIN REQ: 2180 MAX REQ:		MIN REQ: 4010 MAX REQ:			37 40 38 38 38 38 38 38 39 39 39 39 39 39 39 39 39 39 39 39				
					HIGH READING: 40 LOW READING: 36 SAMPLE SIZE: 20				

			OTHER SPECIFICATION (IF ANY)	YES
PROCUREMENT SPEC: HS342 REV AG			1 THREAD ROLL PER AS 8879D	X
HEX SOCKET TORQUE TEST			2 HEAT TREAT PER AMS-H-6875A	X
N/A IN-LBS	EMBRITTLMENT TEST PER NASM1312-5		3 CETYL ALCOHOL AS87132-06 TY III/HS305U	X
	SAMPLE SIZE: LOAD: N/A HOURS:		4 MAG PARTICLE PER ASTM-E-1444-05	X
DUCTILITY TEST: N/A	COATING/PLATING THICKNESS: ACCEPT		5 CAD PLATE AMS QQ-P-416B TYPE II CLASS 2	X
REMARKS/DEVIATIONS (IF ANY)			6 MATERIAL ALLOY HAS BEEN VERIFIED	X
			7 PART NAME: BOLT	X
			8 MICRO ETCHANT: NITAL	X

CERTIFICATION OF CONFORMANCE

THE PARTS CONTAINED IN THIS SHIPMENT HAVE BEEN INSPECTED IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. INSPECTIONS RECORDS ARE ON FILE AND ARE AVAILABLE ON REQUEST OF THE PROCURING AGENCY.

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TSO-C148 Approved

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ISO 9001:2000 AND AS9100:01 CERTIFICATE NO. 04-0578 AS9102 COMPLIANT.

THE TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF WEST COAST AEROSPACE INC. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENT OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.



APPROVED: Fred Baca
FRED BACA, QC TECH